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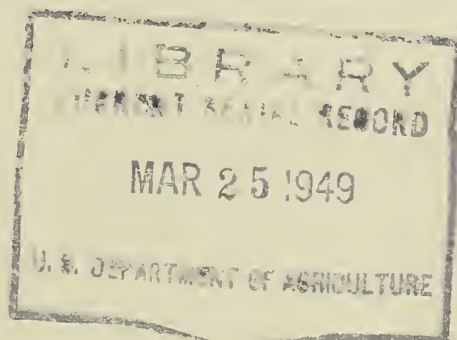


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# FEDERAL-STATE COOPERATIVE SNOW SURVEYS and IRRIGATION WATER FORECASTS

for  
**NEVADA**

March 1, 1949



by  
Division of Irrigation, Soil Conservation Service  
United States Department of Agriculture  
Nevada Agricultural Experiment Station  
and  
Nevada State Engineer

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Data included in this report were obtained by the agencies named above in cooperation with other Federal, State, and local organizations listed on the last page of this report.



FEDERAL-STATE COOPERATIVE  
SNOW SURVEYS AND IRRIGATION WATER FORECASTS

FOR

NEVADA

Report Prepared

by

Clyde E. Houston, Irrigation Engineer  
Division of Irrigation  
Soil Conservation Service

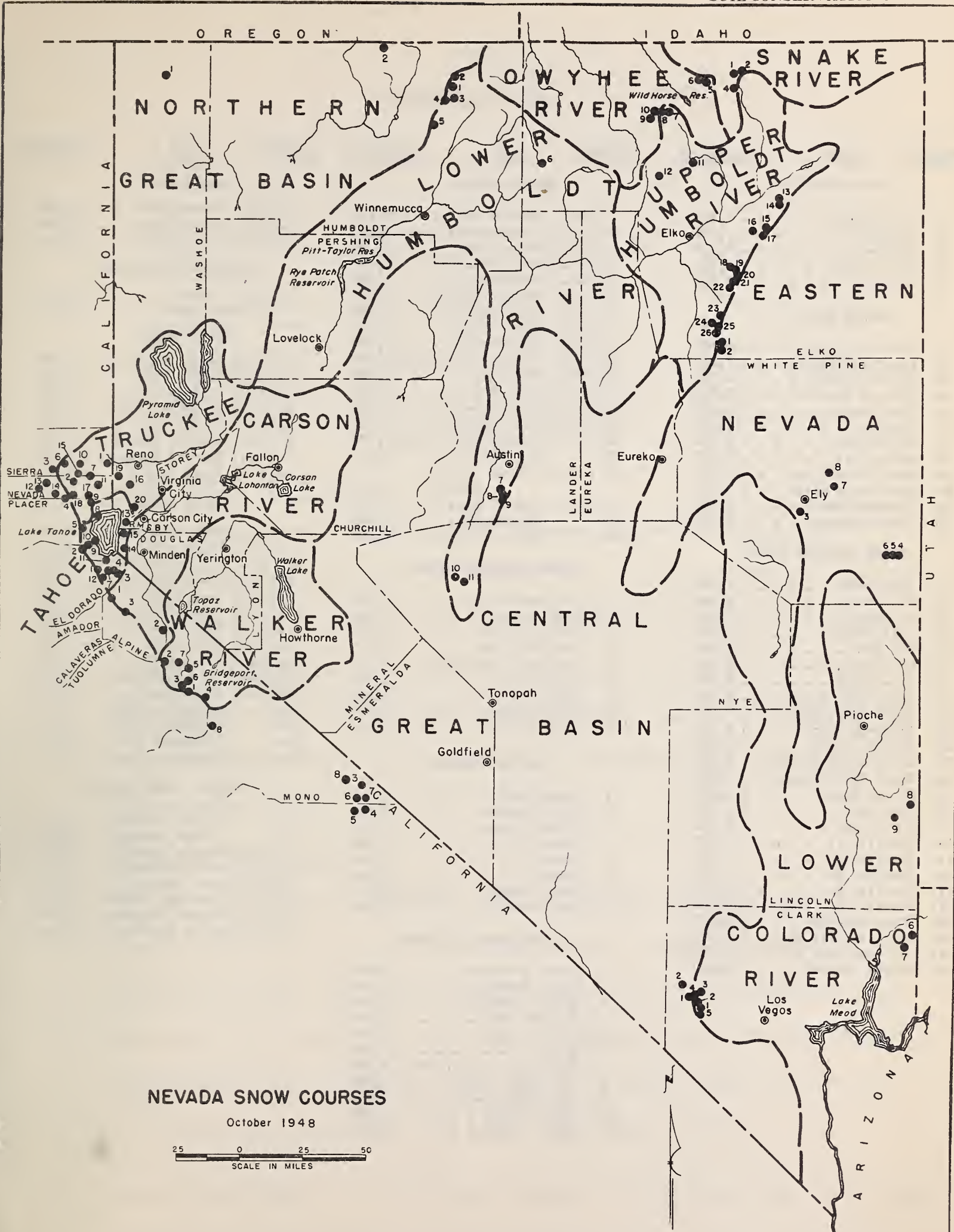
and

H. P. Boardman-Chairman  
Nevada Cooperative Snow Surveys

Division of Irrigation  
Soil Conservation Service  
Nevada Agricultural Experiment Station  
Reno, Nevada







NEVADA SNOW COURSES

October 1948

25 0 25 50  
SCALE IN MILES

# INDEX TO SNOW COURSES

NUMBERS      NAME      ELEVATION

## SNAKE RIVER

1. Bear Creek . . . . . 7,800
2. Fox Creek . . . . . 6,800
4. 76 Creek . . . . . 7,100
5. Gold Creek . . . . . 6,600
6. Big Bend . . . . . 6,700

## OWYHEE RIVER

1. Lower Buckskin . . . . . 6,700
2. Upper Buckskin . . . . . 7,200
3. Martin Creek . . . . . 6,700
4. Granite Peak . . . . . 7,800
5. Gold Creek . . . . . 6,600
6. Big Bend . . . . . 6,700
7. Fry Canyon . . . . . 6,700
8. Rodeo Flat . . . . . 6,800
9. Lower Jack Creek . . . . . 6,800
10. Upper Jack Creek . . . . . 7,250
11. Tremewan Ranch . . . . . 5,700
12. Taylor Canyon . . . . . 6,200

## UPPER HUMBOLDT RIVER

1. Bear Creek . . . . . 7,800
2. Fox Creek . . . . . 6,800
4. 76 Creek . . . . . 7,100
5. Gold Creek . . . . . 6,600
6. Big Bend . . . . . 6,700
7. Fry Canyon . . . . . 6,700
8. Rodeo Flat . . . . . 6,800
9. Lower Jack Creek . . . . . 6,800
10. Upper Jack Creek . . . . . 7,250
11. Tremewan Ranch . . . . . 5,700
12. Taylor Canyon . . . . . 6,200
13. Lower Trout Creek . . . . . 6,900
14. Upper Trout Creek . . . . . 8,500
15. Dorsey Basin . . . . . 8,100
16. Ryan Ranch . . . . . 5,800
17. Dry Creek . . . . . 6,500
18. Lamoille #1 . . . . . 7,100
19. Lamoille #2 . . . . . 7,300
20. Lamoille #3 . . . . . 7,700
21. Lamoille #4 . . . . . 8,000
22. Lamoille #5 . . . . . 8,700
23. Green Mountain . . . . . 8,000
24. Harrison Pass #1 . . . . . 6,600
25. Harrison Pass #2 . . . . . 7,400
26. Corral Canyon . . . . . 8,500

NUMBERS      NAME      ELEVATION

## TRUCKEE BASIN

- 1.(Cal.) Granite Peak . . . . . 8,200
- 2.(Cal.) Independence Lake . . . . . 8,450
- 3.(Cal.) Webber Peak . . . . . 8,000
- 4.(Cal.) Donner Summit . . . . . 6,900
- 5.(Cal.) Ward Creek . . . . . 7,000
- 6.(Cal.) Webber Lake . . . . . 7,000
- 7.(Cal.) Sage Hen Creek . . . . . 6,500
- 8.(Cal.) Tahoe City . . . . . 6,250
- 9.(Cal.) Truckee #2 . . . . . 6,400
- 10.(Cal.) Independence Creek . . . . . 6,300
- 11.(Cal.) Boca #2 . . . . . 5,900
- 12.(Cal.) Furnace Flat . . . . . 6,600
- 13.(Cal.) Fordyce Lake . . . . . 6,500
- 14.(Cal.) Soda Springs . . . . . 6,750
- 15.(Cal.) Independence Camp . . . . . 7,000
16. Mt. Rose . . . . . 9,000
- 17.(Cal.) Truckee Ranger  
Station . . . . . 6,000
- 18.(Cal.) Donner Lake . . . . . 5,950
19. Big Meadows . . . . . 8,800
20. Little Valley . . . . . 6,300

## LOWER COLORADO RIVER

1. Rainbow Canyon . . . . . 7,800
2. Kyle Canyon . . . . . 8,200
3. Lee Canyon #1 . . . . . 8,300
4. Lee Canyon #2 . . . . . 9,000
5. Rainbow Canyon #2 . . . . . 8,100
6. Mica Notch . . . . . 6,000
7. Dud Springs . . . . . 6,000
8. Mathew Canyon . . . . . 6,000
9. Pine Canyon . . . . . 6,200

## EASTERN NEVADA

1. Cave Creek . . . . . 7,000
2. Hager Canyon . . . . . 8,500
3. Murray Summit . . . . . 7,250
4. Baker #1 . . . . . 7,950
5. Baker #2 . . . . . 8,950
6. Baker #3 . . . . . 9,250
7. Berry Creek . . . . . 9,100
8. Bird Creek . . . . . 7,500

## LOWER HUMBOLDT RIVER

1. Lower Buckskin . . . . . 6,700
2. Upper Buckskin . . . . . 7,200
3. Martin Creek . . . . . 6,700
4. Granite Peak . . . . . 7,800
5. Lamance Creek . . . . . 6,600
6. Midas . . . . . 7,200
7. Big Creek Camp Ground . . . . . 6,000
8. Big Creek Mine . . . . . 7,000
9. Upper Big Creek . . . . . 8,000
10. Lower Corral . . . . . 7,500
11. Upper Corral . . . . . 8,500

NUMBERS      NAME      ELEVATION

## CARSON BASIN

- 1.(Cal.) Carson Pass . . . . . 8,600
- 2.(Cal.) Poison Flat . . . . . 7,900
- 3.(Cal.) Blue Lakes . . . . . 8,000

## NORTHERN GREAT BASIN

1. Bald Mountain . . . . . 6,720
2. Disaster Peak . . . . . 6,500

## WALKER BASIN

- 1.(Cal.) Center Mountain . . . . . 9,400
- 2.(Cal.) Sonora Pass . . . . . 8,800
- 3.(Cal.) Buckeye Forks . . . . . 8,500
- 4.(Cal.) Virginia Lakes . . . . . 9,500
- 5.(Cal.) Willow Flat . . . . . 8,250
- 6.(Cal.) Buckeye Roughs . . . . . 7,900
- 7.(Cal.) Leavitt Meadows . . . . . 7,200
- 8.(Cal.) Tioga Pass . . . . . 9,900

## TAHOE BASIN

- 1.(Cal.) Lake Lucille . . . . . 8,400
- 2.(Cal.) Rubicon #1 . . . . . 8,100
- 3.(Cal.) Hagans Meadow . . . . . 8,000
- 4.(Cal.) Freel Bench . . . . . 7,300
- 5.(Cal.) Ward Creek . . . . . 7,000
- 7.(Cal.) Upper Truckee . . . . . 6,400
- 8.(Cal.) Tahoe City . . . . . 6,250
- 9.(Cal.) Rubicon #2 . . . . . 7,500
- 10.(Cal.) Rubicon #3 . . . . . 6,700
- 11.(Cal.) Richardsons #2 . . . . . 6,500
- 12.(Cal.) Echo Summit . . . . . 7,500
13. Marlette Lake . . . . . 8,000
14. Daggetts Pass . . . . . 7,350
15. Glenbrook #2 . . . . . 6,900
16. Mt. Rose . . . . . 9,000

## CENTRAL GREAT BASIN

1. Clark Canyon . . . . . 9,000
2. Trough Springs . . . . . 8,500
- 3.(Cal.) McAfee Forks . . . . . 7,500
- 4.(Cal.) Roberts Ranch . . . . . 8,300
- 5.(Cal.) Goat Springs . . . . . 10,300
- 6.(Cal.) Sage Hen Flats . . . . . 10,500
- 7.(Cal.) Ranger Station . . . . . 9,500
- 8.(Cal.) White Mountain . . . . . 13,000



March 1, 1949  
NEVADA  
PRELIMINARY WATER SUPPLY OUTLOOK

\*\*\*\*\*  
\* March 1, 1949, snow surveys show above average snow stored \*  
\* water at low elevations throughout the State. High elevation \*  
\* snow ranges from below average for this date in the Sierra to \*  
\* above average in Central and Eastern Nevada. In general, heavy\*  
\* snow cover is due to record low temperatures, as preipitat- \*  
\* ion since October has been below normal. Moisture stored in \*  
\* soil is very low throughout most of the State. Storage in im- \*  
\* portant reservoirs on March 1 has not been so low since 1936. \*  
\* As of this date, the outlook for irrigation season water \*  
\* supplies ranges from poor in the Western part of the State to \*  
\* fair in Central and good in Eastern Nevada. Detailed fore- \*  
\* casts will be published in the April 1 Snow Survey Bulletin. \*  
\*\*\*\*\*

Snake River In Nevada

Snow stored water on headwaters of Bruneau River and Salmon Falls Creek is about 150 percent of average for this date. Average snowfall during March will produce very good streamflow throughout the summer months. Owyhee River near Owyhee, Nevada, should flow about 50 percent above normal for the period April through July. Heavy drifting and wind packing will tend to level off midseason flow and maintain late season runoff.

Upper Humboldt River

Low elevation snow is unusually deep throughout the Upper Humboldt Basin. Subnormal precipitation since October caused a serious decline in soil moisture. Early snow coupled with very low temperatures to retain the snow blanket has protected the ground from freezing. Unless heavy rain falls on the low snow, much of the melt water will be retained by the soil rather than enter the stream systems.

Snow stored water on the northern feeders of Upper Humboldt River ranges from about twice average on the lower elevations to about 50 percent greater than average at the higher elevations. Early indications are



that Marys River, North Fork and Susie and Maggie Creeks will flow about 25 percent greater than normal.

Snow stored water on the southern feeders ranges from about twice average on low elevation snow courses to about 25 percent above average at the higher elevations. Heavy drifting and wind packing will tend to level off midseason flow and maintain late season runoff.

#### Lower Humboldt

Present snow cover indicates that discharge of Lower Humboldt River during the irrigation season will be fair. Rye Patch Reservoir with a capacity of 178,000 acre feet contained 56,000 acre feet on March 1. This is the lowest amount in storage since 1941. Unless above normal snow fall occurs during March, water users dependent upon this reservoir may be short of water.

The watershed above Paradise Valley contains slightly greater than average snow stored water at the low elevations, while the high snow courses are slightly less than average. Deficient soil moisture and heavy drifting will affect runoff into Paradise Valley which will probably be below normal.

Reese River snow courses contained about twice normal water content. Here soil moisture is also very low. Present snow melt is being absorbed by the soil.

#### Eastern Nevada

Water stored in snow above Clover and Ruby Valleys in Elko County ranges from 125 to 150 percent of average respectively.

Two recently established snow courses on Duck Creek Watershed near McGill contained about twice the water content this year as that



measured last year on this date.

Snow stored water at Murray Summit above the City of Ely was about twice normal and the same as that measured in 1936. This consists of a potential flood hazard should heavy rain fall on the existing snow. Soil under the snow is very dry and not frozen, which is conducive to absorption of much of the existing snow pack.

Low snow water in the Snake Range of Eastern White Pine County is about 50 percent above average while high snow is slightly less than average.

#### Lower Colorado River in Nevada

The Spring Mountains near Las Vegas contain about 140 percent of average snow water. Present cover is the highest recorded in the past 6 years on this date. Storage in Lake Mead on March 1 was 18,197,000 acre feet, or about 1,000,000 feet less than last year.

New snow courses on Pine and Mathew Canyon Watersheds tributary to Meadow Valley Wash near Caliente, Nevada, show a very slight increase in snow stored water since February 1. Soil beneath the snow is very dry and not frozen. Unless heavy rain falls on the snow pack it appears that the soil will absorb much of the snow melt.

#### Eastern Slope Sierra Nevada

Measured snow water at low elevations is greater than average for this date while that at high elevations is less. In as much as high elevation snow is the main contributor to irrigation season runoff, much greater than normal snow fall is needed during the next month to assure water supplies to meet all demands.





In general, reservoir storage is very low. Lake Tahoe contained about 177,000 acre feet of available storage on March 1. This is the lowest amount in storage on this date since 1936. Lake Lahontan stored about 175,000 acre feet or 75 percent of the past ten year average, which is also the lowest amount in storage on this date since 1936. Topaz reservoir storing 19,000 acre feet was at its lowest level since 1932 and contained slightly over 40 percent of the last ten year average for this date. Bridgeport reservoir storing about 13,000 acre feet was about 35 percent of the past ten year average.



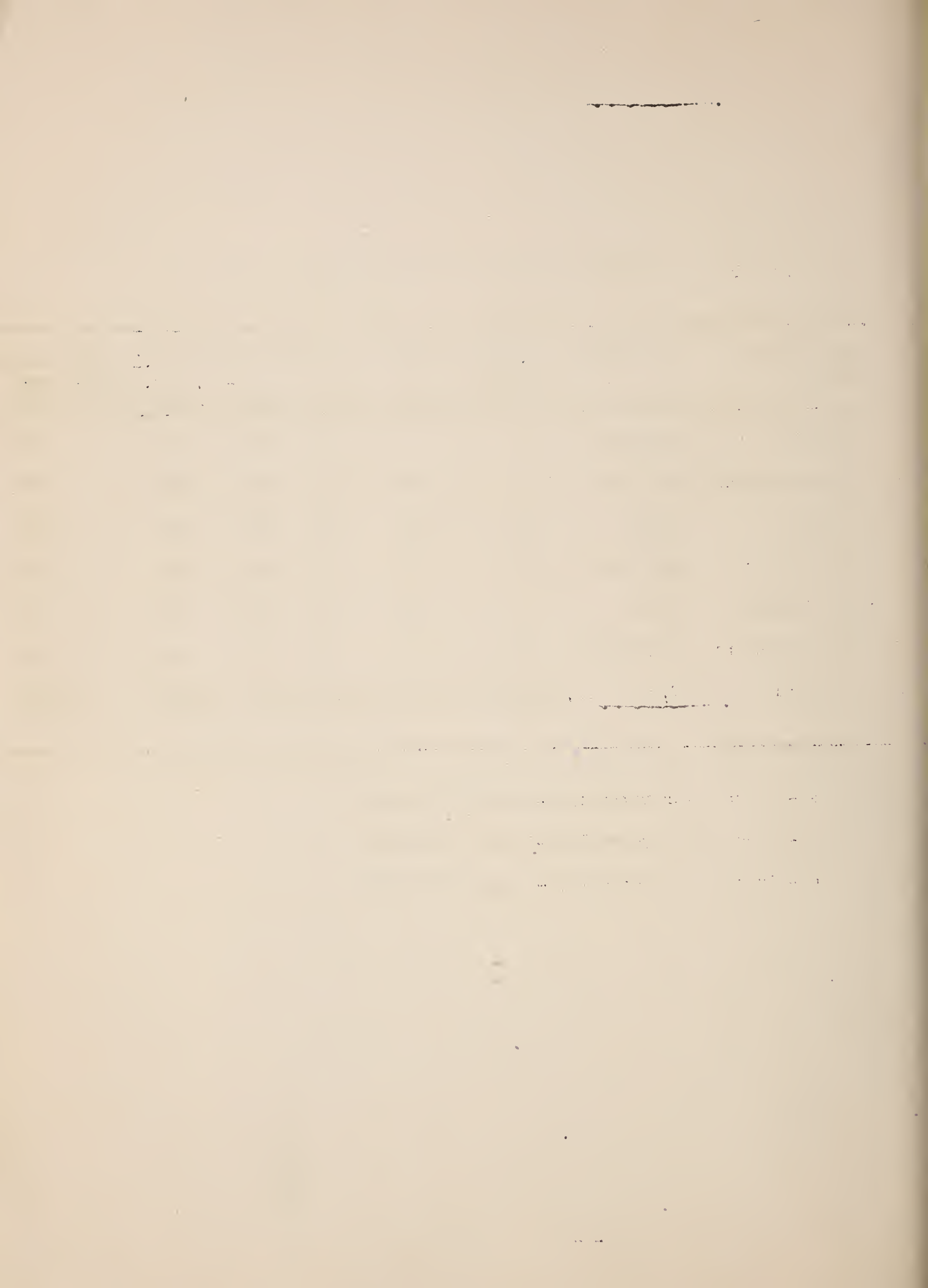
# STATUS OF RESERVOIR STORAGE, MARCH 1, 1949

BASIN AND STREAM	RESERVOIR	USABLE	CAPACITY THOUS. ACRE FEET				USABLE STORAGE ABOUT MAR. 1
		(Thous. A.F.)	1949	1948	1947	1946	10-yr. avg. 1938 - 1947
Owyhee	Wildhorse	33		5	14	19	12 <sup>a</sup>
Lower Humboldt	Rye Patch	178	56	114	178	161	169 <sup>b</sup>
Tahoe	Tahoe	750	177	264	508	543	483
Carson	Lahontan	286	175	179	220	229	233
West Walker	Topaz	59	19	24	46	56	44
East Walker	Bridgeport	42	13	21	41	38	37
Colorado	Mead	27,935	18,197	19,148	16,692	18,275	19,564 <sup>c</sup>

a - Average for years 1940-1947

b - Average for years 1943-1947

c - Average for years 1939-1947





NEVADA SNOW SURVEYS MARCH 1, 1949

LOCATION		SNOW COVER MEASUREMENTS											
		Water Content(inches)							Past Record				
		DRAINAGE BASIN and SNOW COURSE	Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	Same	Approx. date	Years of Record	Av. Water Content (Inches)
1949	1948									1947			
SNAKE RIVER													
	Bear Creek	1	31	46N	58E	7800	2/25	64.3	23.0	14.3	12.6	17	15.5
	Fox Creek	2	33	46N	58E	6800	2/25	45.0	13.5	8.0	4.9	17	8.4
	76 Creek	4	6	44N	58E	7100	3/1	51.1	16.7	9.0	6.9	3	9.7
	Gold Creek	5	31	45N	56E	6600	2/25	35.5	10.5	4.9	3.2	17	6.5
	Big Bend	6	30	45N	56E	6700	2/25	45.3	14.3	6.3	5.3	20	8.7
OWYHEE RIVER													
	Lower Buckskin	1	25	45N	39E	6700	3/2	42.6	13.0	7.8	No Survey	15	8.5
	Upper Buckskin	2	11	45N	39E	7200	3/3	28.2	8.7	8.2	"	15	10.4
	Martin Creek	3	18	44N	40E	6700	3/1	26.8	7.5	6.8	3.8	17	7.9
	Granite Peak	4	22	44N	39E	7800	3/1	25.5	7.6	6.4	6.8	17	9.5
	Gold Creek	5	31	45N	56E	6600	2/25	35.5	10.5	4.9	3.2	17	6.5
	Big Bend	6	30	45N	56E	6700	2/25	45.3	14.3	6.3	5.3	20	8.7
	Fry Canyon	7	31	43N	54E	6700	2/26	50.2	15.2	5.0	4.3	15	8.8
	Rodeo Flat	8	36	43N	53E	6800	2/27	51.0	17.2	6.2	4.7	15	9.7
	Lower Jack Creek	9	18	42N	53E	6800	3/1	20.8	4.9	2.8	1.2	21	4.9
	Upper Jack Creek	10	9	42N	53E	7250	3/1	40.2	13.1	7.3	5.4	13	9.8
	Tremewan Ranch	11	9	39N	55E	5700	2/28	22.8	6.0	0	0	17	2.6
	Taylor Canyon	12	35	39N	53E	6200	2/28	31.3	8.8	1.3	0.5	14	5.8

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NEVADA SNOW SURVEYS MARCH 1, 1949

LOCATION		SNOW COVER MEASUREMENTS											
		Water Content(inches)					Past Record						
		Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	Same Approx.date		Years of Record	Av. Water Content (inches)	
1949	1948								1947				
DRAINAGE BASIN and SNOW COURSE													
UPPER HUMBOLDT													
Bear Creek	1	31		46N	58E	7800	2/25	64.3	23.0	14.3	12.6	17	15.5
Fox Creek	2	33		46N	58E	6800	2/25	45.0	13.5	8.0	4.9	17	8.4
76 Creek	4	6		44N	58E	7100	3/1	51.1	16.7	9.0	6.9	3	9.7
Gold Creek	5	31		45N	56E	6600	2/25	35.5	10.5	4.9	3.2	17	6.5
Big Bend	6	30		45N	56E	6700	2/25	45.3	14.3	6.3	5.3	20	8.7
Fry Canyon	7	31		43N	54E	6700	2/26	50.2	15.2	5.0	4.3	15	8.8
Rodeo Flat	8	36		43N	53E	6800	2/27	51.0	17.2	6.2	4.7	15	9.7
Lower Jack Creek	9	18		42N	53E	6800	3/1	20.8	4.9	2.8	1.2	21	4.9
Upper Jack Creek	10	9		42N	53E	7250	3/1	40.2	13.1	7.3	5.4	13	9.8
Tremewan Ranch	11	9		39N	55E	5700	2/28	22.8	6.0	0	0	17	2.6
Taylor Canyon	12	35		39N	53E	6200	2/28	31.3	8.8	1.3	0.5	14	5.8
Lower Trout Creek	13	28		37N	61E	6900	2/28	20.4	5.9	No Survey	1.8	12	5.9
Upper Trout Creek	14	4		36N	61E	8500	2/28	65.9	23.2	16.5	10.8	13	19.6
Dorsey Basin	15	28		35N	60E	8100	3/1	56.6	12.9	9.3	4.9	17	10.8
Ryan Ranch	16	1		34N	59E	5800	2/28	18.7	4.9	0	0	17	2.0
Dry Creek	17	5		34N	60E	6500	2/27	32.2	9.4	1.8	0	15	5.5
Lamoille #1	18	15		32N	58E	7100	3/1	44.0	14.1	7.9	7.7	23	9.3
Lamoille #2	19	14		32N	58E	7300	3/2	39.0	12.7	8.4	7.1	20	9.4
Lamoille #3	20	24		32N	58E	7700	3/2	46.2	17.2	10.6	9.3	14	12.1
Lamoille #4	21	19		32N	59E	8000	3/2	57.5	22.3	13.9	16.0	8	16.6
Lamoille #5	22	31		32N	59E	8700	3/3	73.7	26.9	17.5	22.4	14	23.1
Green Mountain	23	23		29N	57E	8000	No	Survey	Survey	9.5	7.5	14	12.9
Harrison Pass #1	24	9		28N	57E	6600	3/5	27.5	6.9	3.5	2.4	20	5.4
Harrison Pass #2	25	16		28N	57E	7400	No	Survey	Survey	4.4	2.5	19	5.7
Corral Canyon	26	27		28N	57E	8500	No	Survey	Survey	13.1	14.5	14	14.3

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NEVADA SNOW SURVEYS MARCH 1, 1949

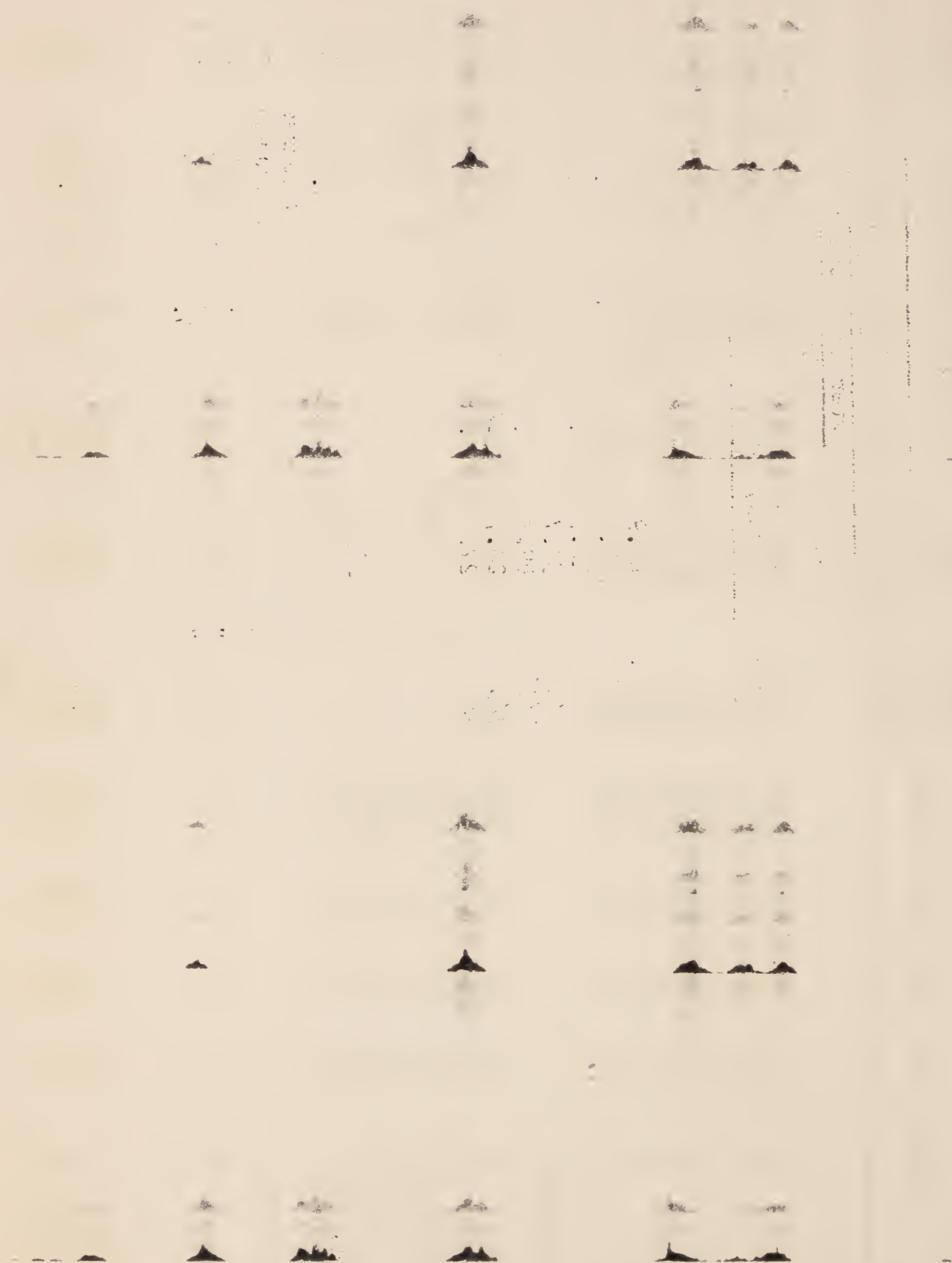
LOCATION		SNOW COVER MEASUREMENTS										
		Water Content(inches)					Past Record					
		Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	1949	1948	1947	Years of Record
DRAINAGE BASIN and SNOW COURSE												
LOWER HUMBOLDT												
Lower Buckskin	1	25	45N	39E	6700	3/2	42.6	13.0	7.8	No Survey	15	8.5
Upper Buckskin	2	11	45N	39E	7200	3/3	28.2	8.7	8.2	"	15	10.4
Martin Creek	3	18	44N	40E	6700	3/1	26.8	7.5	6.8	3.8	17	7.9
Granite Peak	4	22	44N	39E	7800	3/1	25.5	7.6	6.4	6.8	17	9.5
Lamance Creek	5	13	42N	38E	6600	2/28	38.0	12.1	3.8	No Survey	16	10.3
Midas	6	18	39N	46E	7200	3/1	34.0	9.2	0	0	9	5.0
Big Creek Camp	7	10	17N	43E	6000	3/8	23.4	5.2	0	1.2	7	1.8
Big Creek Mine	8	23	17N	43E	7000	3/8	29.5	7.9	3.3	3.3	7	3.2
Upper Big Creek	9	26	17N	43E	8000	No	Survey		7.2	9.0	7	7.4
Lower Corral	10	12	11N	40E	7500	"	"		2.6	0	7	2.2
Upper Corral	11	20	11N	41E	8500	"	"		6.7	6.5	7	6.4
EASTERN NEVADA												
Cave Creek	1	25	27N	57E	7000	2/28	54.8	22.5	7.3	11.1	7	13.9
Hager Canyon	2	34	27N	57E	8500	2/28	59.9	23.5	7.6	14.5	8	16.4
Murray Summit	3	25	18N	62E	7250	2/24	26.2	6.5	1.5	4.3	12	3.9
Baker #1	4	29	13N	69E	7950	3/4	36.7	9.7	4.8	5.6	7	6.1
Baker #2	5	30	13N	69E	8950	3/4	56.4	15.8	11.1	18.3	7	16.6
Baker #3	6	25	13N	68E	9250	3/4	53.6	15.6	13.4	22.2	4	14.5
Berry Creek	7	26	17N	65E	9100	2/27	46.3	14.8	8.3	New course		
Bird Creek	8	34	19N	65E	7500	2/27	27.1	7.4	3.5	"		
Robinson Summit	9	23	18N	61E	7600	2/25	28.2	7.4	New Snow Course			
Kimberly	10	18	16N	62E	7400	2/25	26.2	6.6	"	"		





NEVADA SNOW SURVEYS MARCH 1, 1949

LOCATION		SNOW COVER MEASUREMENTS										
		Water Content(inches)					Past Record					
		Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	1949	Same Approx.date	1947	Years of Record
DRAINAGE BASIN and SNOW COURSE												
LOWER COLORADO												
Rainbow Canyon	1	31	19S	57E	7800	2/26	42.9	14.5	8.6	9.9	8	12.1
Kyle Canyon	2	26	19S	56E	8200	2/26	42.1	14.4	7.6	8.9	8	11.1
Lee Canyon #1	3	10	19S	56E	8300	3/3	48.7	15.3	7.7	7.5	8	10.1
Lee Canyon #2	4	9	19S	56E	9000	3/4	53.7	16.4	6.1	9.1	8	11.5
Rainbow Canyon #2	5	6	20S	57E	8100	2/26	49.2	16.6	10.7	15.0	2	12.9
Mathew Canyon	8	11	5S	70E	6000	3/3	20.7	6.2	New Snow Course			
Pine Canyon	9	11	6S	69E	6200	3/2	27.6	8.0	"	"		
CENTRAL GREAT BASIN												
Clark Canyon	1	8	19S	56E	9000	3/4	48.4	13.5	7.2	7.6	3	6.6
Trough Springs	2	23	18S	55E	8500	3/1	46.4	11.5	6.2	4.9	3	5.1
McAfee Forks(Cal.)	3	1	4S	34E	7500		No Report		4.2	New Course		
Roberts Ranch(Cal.)	4	11	6S	35E	8300		"	"	0	No Survey	2	0
Goat Spring (Cal.)	5	13	6S	34E	10300		"	"	0.1	"	2	1.1
Sage Hen Flats(Cal)	6	29	5S	35E	10500		"	"	0.2	"	2	1.7
Ranger Station(Cal)	7	14	5S	35E	9500		"	"	0.9	"	2	0.5
NORTHERN GREAT BASIN												
Bald Mountain	1	17	45N	21E	6720	2/28	19.9	5.0	0	0.6	9	3.7
TAHOE												
Ward Creek (Cal.)	5	21	15N	16E	7000	2/27	98.3	37.8	No	Survey	8	41.6
Upper Truckee(Cal)	7	21	12N	18E	6400	2/26	39.4	13.3	0.5	No Survey	10	9.4
Tahoe City(Cal.)	8	6	15N	17E	6250	2/26	46.7	18.1	0	0	17	11.2



NEVADA SNOW SURVEYS MARCH 1, 1949

DRAINAGE BASIN and SNOW COURSE	LOCATION		SNOW COVER MEASUREMENTS											
			Number	Sec.	Twp.	Rge.	Elev.	Date of Survey	Snow Depth (inches)	Water Content(inches)			Past Record Years of Record	Av. Water Content (inches)
										Same	Approx.	date		
TAHOE (Con't.)														
Echo Summit(Cal.)	12	6	11N	18E	7500	2/25	80.0	27.8	15.5	23.0	7	30.5		
Marlette Lake	13	13	15N	18E	8000	3/1	51.5	15.1	8.0	21.3	17	21.9		
Daggetts Pass	14	19	13N	19E	7350	2/26	42.8	14.7	1.9	11.2	12	12.3		
Glenbrook #2	15	13	14N	18E	6900	3/4	44.4	12.9	3.9	No Survey	4	10.7		
TRUCKEE														
Independence Lake(Cal)	2	9	18N	15E	8450	2/27	73.4	26.4	14.8	23.9	10	32.6		
Donner Summit(Cal.)	4	25	17N	14E	6900	2/28	79.2	31.1	12.8	17.9	25	32.4		
Ward Creek (Cal.)	5	21	15N	16E	7000	2/27	98.3	37.8	No Survey	No Survey	8	41.6		
Sage Hen Creek(Cal)	7	7	18N	16E	6500	2/28	47.6	15.6	2.3	9.7	12	16.2		
Tahoe City (Cal.)	8	6	15N	17E	6250	2/26	46.7	18.1	0	0	17	11.2		
Independence Creek(Cal)	10	14	19N	15E	6300	2/28	39.0	12.5	1.2	4.3	9	12.1		
Soda Springs(Cal.)	14	23	17N	14E	6750	2/28	68.9	26.3	7.1	14.3	19	29.7		
Independence Camp(Cal)	15	34	19N	15E	7000	2/26	53.5	18.3	6.4	10.6	7	17.4		
Truckee Ranger Sta.(Cal)	17	10	17N	16E	6000	3/1	45.0	15.2	2.6	5.9	4	8.1		
Donner Lake (Cal)	18	14	17N	15E	5950	2/25	65.0	22.0	3.8	7.0	5	14.1		
CARSON														
Clear Creek	4	6	14N	19E	7300	3/4	48.9	15.8	New	Snow Course				
WALKER														
Tioga Pass (Cal)	8	30	1N	25E	9900	2/26	29.4	10.5	11.4	15.6	11	21.3		





The following organizations cooperate in the Nevada snow survey work:

FEDERAL

Soil Conservation Service  
Forest Service  
Weather Bureau  
Bureau of Reclamation  
Geological Survey  
Fish and Wildlife Service  
Navy

STATE

Nevada State Engineer  
Nevada Agricultural Experiment Station  
Nevada Agricultural Extension Service  
California Division of Water Resources

MUNICIPAL

City of Bunkerville, Nevada  
City of Ely, Nevada  
City of Mesquite, Nevada

PUBLIC UTILITIES

Sierra Pacific Power Company  
Wells Power Company  
Virginia City Water Company

ORGANIZED PUBLIC AGENCIES

Truckee-Carson Irrigation District  
Washoe County Water Conservation District  
Walker River Irrigation District

PRIVATE ORGANIZATIONS

Deep Springs School  
Kennecott Copper Corp.  
Union Pacific Railroad

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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